

Work Order ID 69474

Wednesday, May 11, 2011 11:51:18 AM



Page 1

Item ID: D3439-101

Accept



Setup Start



Revision ID:

Stop



Item Name: Mirror Assembly 8"

Start Date: 5/11/2011 Start Qty: 20.00



Cust Item ID:

Required Date: 5/18/2011 Req'd Qty: 20.00



Customer:

Reference:

Approvals:

Process Plan:

HP

Date: 11-05-11

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

D3439

Rev B

100

0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O:

For Grote Mirror P/N: 12183

Possible Supplier: UAP/NAPA

Material release note is required

11-05-11
(20)

110

0.00



Receive & Inspect for Damage & Mat'l Certs

Packaging

Memo

0.00

Packaging

Ensure Material Release Note is attached

11/10/11
(20)

115

0.00



QC6- Inspect dimensions to drawing

QC

Memo

0.00

Quality Control

*5/11/11**QC*
(120)

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action		Section B		Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng		Sign & Date			

NOTE: Date & initial all entries

Work Order ID 69474

Wednesday, May 11, 2011 11:51:19 AM



Page 2

Item ID: D3439-101

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Setup Start



Revision ID:

Stop



Item Name: Mirror Assembly 8"

Start Date: 5/11/2011 Start Qty: 20.00



Cust Item ID:

Required Date: 5/18/2011 Req'd Qty: 20.00

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

120

0.00



Small Fab

Small Fab

Memo

0.00

Small Fab

1- Discard Hardware.
2- Drill and Tap mirror as per Dwg using DT9670 , then install stud as per dwg.
3- Plug drain holes with Sikaflex.
Ensure that mirror adheres to housing.
Pick:
Qty Part Number Description Batch
A/RN/A Sikaflex-241/-291 116945
Sikaflex expiry date 12/01/15

Handwritten signature and date: 5/11/11

130

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

Handwritten signature: S. Valdez

Handwritten signature and date: 5/11/11

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries



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Page 3

Item ID:	D3439-101	Accept		Setup	Start	
Revision ID:					Stop	
Item Name:	Mirror Assembly 8"					
Start Date:	5/11/2011	Start Qty:	20.00		Cust Item ID:	
Required Date:	5/18/2011	Req'd Qty:	20.00		Customer:	
Reference:						

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140  Packaging	Identify as per dwg & Stock Location: _____ Memo <i>57226</i>	0.00 0.00							<i>P 11/6/10 (20)</i>
150  QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00							<i>11/6/13 JF</i> <i>ME</i> <i>11-06-10</i>

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)							
DATE	STEP	Description of NC Section A	Corrective Action		Section B		Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng		Sign & Date			

NOTE: Date & initial all entries

Wednesday, May 11, 2011 11:51:26 AM

Parent Item: D3439-101

Parent Item Name: Mirror Assembly 8"





Start Date: 5/11/2011**Required Date: 5/18/2011**

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP A05.07.20New issueKJ/JLM
per dwg RevB DD ver:fec

IPP Rev:B 10.09.08

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
12183 		Purchased	No			120	Each	0.0000	1	20			
GROTE MIRROR													
D3015-3 		Manufactured	No			120	Each	720.0000	1	20			
Locknut													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST030		720							
				64275		20				20			
				66114		200							
				67536		500							
D3439-3 		Manufactured	No			120	Each	0.0000	1	20			
Stud													
NAS1149C0563R 		Purchased	No			120	Each	574.0000	1	20			
Washer													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST297		574							
				112532		100				8			
				115768		74							
				116391		200							
				117460		200				12			

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng/ Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

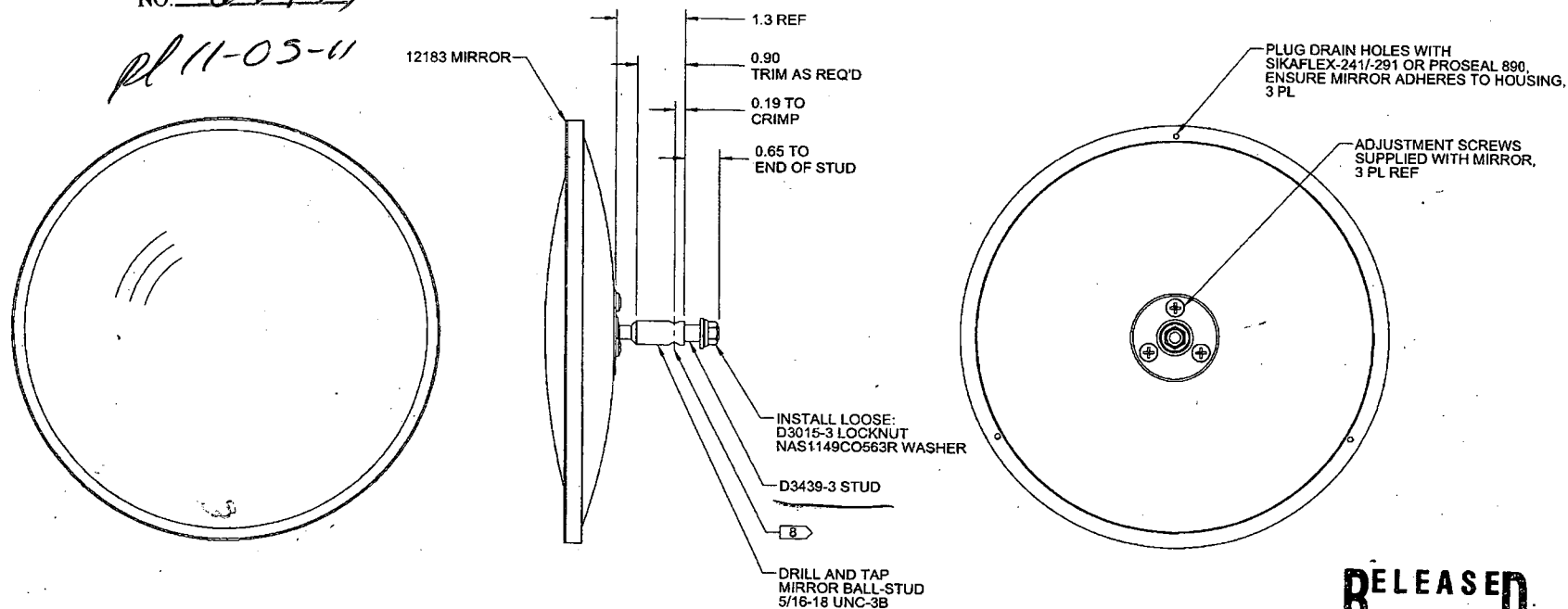
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action		Section B		Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng		Sign & Date			

NOTE: Date & initial all entries

SHOP COPY
 RETURN TO
 ENGINEERING
 UNCONTROLLED COPY
 SUBJECT TO AMENDMENT
 WITHOUT NOTICE
 WORK ORDER
 NO. 69474
PL 11-05-11

ITEM	QTY -101	P/N	DESCRIPTION
1	X	D3439-101	MIRROR ASSEMBLY, 8"
2	1	12183	MIRROR 8" (GROTE)
3	1	D3015-3	LOCKNUT
4	1	D3439-3	STUD
5	1	NAS1149CO563R	WASHER (OR AN960JD516)



D3439-101 MIRROR ASSEMBLY

NOTES:

- 1) MATERIAL: MIRROR= 8" ROUND CONVEX MIRROR W/ STAINLESS STEEL CASE
CENTER-MOUNT BALL-STUD W/ 1/4-20 X 1" DEEP FEMALE THREAD
GROTE INDUSTRIES, 2600 LANIER DRIVE, MADISON, INDIANA 47250
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3439-101" USING REMOVEABLE TAG
- 7) WEIGHT: 1.18 lbs
- 8) TO INSTALL D3439-3 STUD:
 - APPLY LOCKTITE 262 TO THREADS BEING INSTALLED INTO MIRROR BALL-STUD
 - THREAD D3439-3 STUD INTO MIRROR BALL-STUD
 - CRIMP MIRROR BALL-STUD ON OPPOSING SIDES, 0.19 FROM END AS ILLUSTRATED USING TOOL DT8317
 - CRIMP TO DEPTH OF 0.015-0.030 USING R0.125

RELEASED
 2010-09-07

B	REDRAW, ADD -3 (WAS PURCHASED/TRIMMED BOLT), RMV LPS	CP	10.07.20
A	NEW ISSUE	CP	05.05.27
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.07.20		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. D3439	REV. B SHEET 1 OF 2
TITLE MIRROR ASSEMBLY	
SCALE NTS	
COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR DISSEMINATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

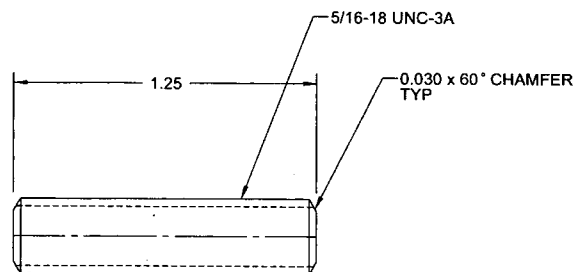
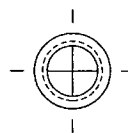
W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE		By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng		Sign & Date			

NOTE: Date & initial all entries



D3439-3 STUD

w/o 69474

NOTES:

- 1) MATERIAL: AISI 303 STAINLESS STEEL ROUND BAR PER ASTM A582
REF DART SPEC M303R
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.03 lbs

RELEASED
2010-09-07
MP

DESIGN	<i>g</i>	DART AEROSPACE LTD	
DRAWN	<i>g</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D3439	SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	MIRROR ASSEMBLY	NTS
DATE	10.07.20	COPYRIGHT © 2010 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

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NOTE: Date & initial all entries



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO14060

Purchase Order Date 5/11/2011

PO Print Date 5/11/2011

Page Number 1 of 1

Order From :

VC-UAP001

UAP HAWKESBURY INC. #074
514 MAIN STREET WEST
HAWKESBURY, ON K6A 2J2
CA

11475

Contact Name
Vendor Phone 613 632 8575
Vendor Fax 613 632 1539
Vendor Account Nbr

Buyer Brigitte Golden
Requisition Nbr
Tax Resale Nbr 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	12183	GROTE MIRROR	5/13/2011 Yes	20.00 Each	Yours ppd	\$20.9000	\$418.00
		Special Inst:	as per dwg: D3439 Rev: B B69474				
2		shipping fees	5/12/2011 Yes	1.00	Yours ppd	\$15.0000	\$15.00
		Special Inst:	Vendor charges 15.00 for delivery fees.				
PO Total:							\$433.00

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 2

Change Date: 5/11/2011



HAWKESBURY AUTO PARTS INC 55806574
514 MAIN STREET WEST
HAWKESBURY, ONT. K6A 2J2
TEL: 632-8575 FAX: 632-1539

PERMIT DANGEROUS GOODS PERMIT
EXPIRY DATE:
PERMIS RELATIF AUX MARCHANDISES DANGEREUSES
DATE D'EXPIRATION:
EMERGENCY TELEPHONE NUMBER 24 HOURS
CANUTEC 613-996-6666
NUMÉRO DE TÉLÉPHONE D'URGENCE 24 HEURES
CANUTEC 613-996-6666

LCCT # 1° COMPTE	SOLD TO / VENDU À	DATE	TIME HEURE	STORE # N° MAGASIN	EMP # N° EMPL	INVOICE NO. N° FACTURE
1601	DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY, ONTARIO K6A 1K7	5/11/11	15:01	060004074	22	320086
SR #		PURCHASE ORDER # N° BON DE COMMANDE				
40		14060				
AD		TAX EXEMPTION: EXEMPTION DE TAXE: 6122-5207				
9		TERMS: CONDITIONS: NET 30 DAYS CHARGE SALE				
		DELIVERY: LIVRAISON:				

PART NUMBER / N° PIÈCE	LN	DESCRIPTION	QUANTITY QUANTITÉ	PRICE / PRIX	NET	TOTAL
2183	GRD	GROTE MIRROR	20.00		20.900	418.00 T1
	FRT	FREIGHT	1.00		15.000	15.00 T1D
PURD						

REFUNDED BY _____

Subtotal 433.00
Tax 13% ON HARMONIZE 56.29
Tax 0% 0.00

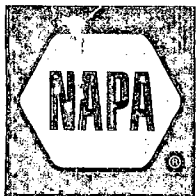
VERIFIED BY _____

SIGNATURE

ALL GOODS RETURNED MUST BE ACCOMPANIED BY THIS INVOICE

TOUTE MARCHANDISE RETOURNÉE DOIT ÊTRE ACCOMPAGNÉE DE CETTE FACTURE

TOTAL ----> CHARGE SALE 489.29



HAWKESBURY AUTO PARTS INC 55806574
514 MAIN STREET WEST
HAWKESBURY, ONT. K6A 2J2
TEL: 632-8575 FAX: 632-1539

551577896RT0001
DANGEROUS GOODS PERMIT
EXPIRY DATE:
PERMIS RELATIF AUX MARCHANDISES DANGEREUSES.
DATE D'EXPIRATION:
EMERGENCY TELEPHONE NUMBER 24 HOURS
CANUTEC 613-996-6666
NUMÉRO DE TÉLÉPHONE D'URGENCE 24 HEURES
CANUTEC 613-996-6666

ACCT # N° COMPTE	SOLD TO / VENDU À	DATE	TIME HEURE	STORE # N° MAGASIN	EMP # N° EMPL	INVOICE NO. N° FACTURE
01601	DART AEROSPACE LTD	5/11/11	15:01	060004074	22	320086
SR #	1270 ABERDEEN STREET	PURCHASE ORDER #				
40	HAWKESBURY, ONTARIO	N° BON DE COMMANDE				
AD	K6A 1K7	14060				
9		TAX EXEMPTION:				
		EXEMPTION DE TAXE: 6122-5207				
		TERMS: NET 30 DAYS				
		CONDITIONS: CHARGE SALE				
		DELIVERY: LIVRAISON:				

PART NUMBER / N° PIECE	LN	DESCRIPTION	QUANTITY QUANTITE	PRICE / PRIX	NET	TOTAL
12183	GRD	GROTE MIRROR	20.00		20.900	418.00 T1
PURD	FRT	FREIGHT	1.00		15.000	15.00 T1D
Subtotal 433.00						
Tax 13% ON HARMONIZE 56.29						
Tax 0% 0.00						

REFUNDED BY

VERIFIED BY

SIGNATURE

ALL GOODS RETURNED MUST BE ACCOMPANIED BY THIS INVOICE

TOTAL CHARGE SALE 489.29